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TI Dimension-stable heat- and impact-resistant thermoplastic polymer compositions with good appearance and adhesion

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PA Daicel Chem, Japan

SO Jpn. Kokai Tokkyo Koho, 6 pp.

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DT Patent

LA Japanese

IC ICM ***C08L051-04***

ICS C08L025-12; ***C08L067-02***

CC 37-6 (Plastics Manufacture and Processing)
Section cross-reference(s): 39

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	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 07173363	A2	19950711	JP 1993-320254	19931220
AB	Title compns., useful for ***automobile*** acoustic device, and household appliance parts, contain 100 parts polymer compns. contg. (a) 15-70% graft copolymers prep'd. by polymn. of 30-70 parts monomer mixts. contg. ***cyanated*** ***vinyls*** (CV) 15-45, arom. vinyls (AV) 55-85, and other copolymerizable vinyls (COV) 0-30% in the presence of 70-30 parts conjugated diene ***rubbers***, (b) 0-60% copolymers prep'd. by polymn. of monomer mixts. contg. CV 15-45, AV 55-85, and COV 0-30%, (c) 20-80% ***PBT***, and (d) 1.5-30% ***PET*** at ***PBT*** / ***PET*** ratio (95-50)/(5-50) and 5-100 parts fillers. Thus, polybutadiene-SBR mixed ***rubber*** (40%)-grafted 25:75 ***acrylonitrile*** - ***styrene*** copolymer 31.5, Cevian N 16, ***PBT*** 47.5, ***PET*** 5, ***glass*** ***fibers*** 25, antioxidant 0.1, and lubricant 0.1 part were extruded and injection molded at 260.degree. into test pieces showing heat distortion temp. 150.degree., Izod impact strength 18 kg-cm/cm, and tensile strength 880 kg/cm ² .				
ST	heat resistance thermoplastic polymer blend; impact resistance thermoplastic polymer blend; dimension stable thermoplastic polymer blend; rigidity thermoplastic polymer blend; surface appearance thermoplastic polymer blend; adhesion thermoplastic polymer blend; polybutadiene grafting ***acrylonitrile*** ***styrene*** copolymer; SBR grafting ***acrylonitrile*** ***styrene*** copolymer blend; ***acrylonitrile*** ***styrene*** copolymer blend; ***PBT*** blend thermoplastic; ***PET*** blend thermoplastic; ***glass*** ***fiber*** ***filler*** thermoplastic polymer ***Rubber***, butadiene- ***styrene***, uses				
IT	RL: POF (Polymer in formulation); USES (Uses) (***acrylonitrile*** - ***styrene*** copolymer grafted by polybutadiene and; dimension-stable heat- and impact-resistant thermoplastic polymer compns. with good appearance and adhesion)				
IT	Vinyl compounds, uses RL: POF (Polymer in formulation); USES (Uses) (cyanated, polymers with arom. vinyls, (conjugated diene ***rubber*** -grafted); dimension-stable heat- and impact-resistant thermoplastic polymer compns. with good appearance and adhesion)				
IT	Plastics RL: POF (Polymer in formulation); USES (Uses) (dimension-stable heat- and impact-resistant thermoplastic polymer compns. with good appearance and adhesion)				
IT	***Glass*** ***fibers***, uses RL: MOA (Modifier or additive use); USES (Uses)				

(***fillers*** ; dimension-stable heat- and impact-resistant thermoplastic polymer compns. with good appearance and adhesion)

IT Electric appliances
(household, parts; dimension-stable heat- and impact-resistant thermoplastic polymer compns. with good appearance and adhesion)

IT ***Automobiles***
(***interior*** trim parts; dimension-stable heat- and impact-resistant thermoplastic polymer compns. with good appearance and adhesion)

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IT Acoustic devices
(parts; dimension-stable heat- and impact-resistant thermoplastic polymer compns. with good appearance and adhesion)

IT Vinyl compounds, uses
RL: POF (Polymer in formulation); USES (Uses)
(aryl, polymers with ***cyanated*** ***vinyls***, (conjugated diene ***rubber*** -grafted); dimension-stable heat- and impact-resistant thermoplastic polymer compns. with good appearance and adhesion)

IT ***Rubber***, synthetic
RL: POF (Polymer in formulation); USES (Uses)
(conjugated diene, arom. vinyl- ***cyanated*** ***vinyl*** polymers grafted by; dimension-stable heat- and impact-resistant thermoplastic polymer compns. with good appearance and adhesion)

IT Impact-resistant materials
(heat-resistant, dimension-stable heat- and impact-resistant thermoplastic polymer compns. with good appearance and adhesion)

IT Heat-resistant materials
(impact-resistant, dimension-stable heat- and impact-resistant thermoplastic polymer compns. with good appearance and adhesion)

IT ***9003-54-7***, Cevian N 24968-12-5, ***PBT*** (polymer)
25038-59-9, ***PET*** (***polyester***), uses ***26062-94-2***
, Butylene glycol-terephthalic acid copolymer ***106677-58-1***
Acrylonitrile butadiene- ***styrene*** graft copolymer
RL: POF (Polymer in formulation); USES (Uses)
(dimension-stable heat- and impact-resistant thermoplastic polymer compns. with good appearance and adhesion)

IT ***9003-55-8***
RL: POF (Polymer in formulation); USES (Uses)
(***rubber***, ***acrylonitrile*** - ***styrene*** copolymer grafted by polybutadiene and; dimension-stable heat- and impact-resistant thermoplastic polymer compns. with good appearance and adhesion)